

New JOHN DEERE

520 • 620 • 720

TRACTORS



MODERN METHODS spell

PROFIT AND LOSS IN



the difference between

TODAY'S FARMING OPERATIONS

THERE'S a major evolution taking place on farms the country over. Old methods are fast yielding way to the new. Today's modern tractor power and equipment has made it possible to streamline every farming operation—to cut costs to new lows, to save time and labor on every job, to make all field work much easier.

Mechanized grazing, which brings the pasture to the cow, has become a paying proposition . . . modern harvesting machinery has made one man the equal of 40 men in the cotton fields . . . combining corn, unheard of five years ago, is snow-balling in popularity and enabling farmers to double the usefulness of their self-propelled combines as well as to greatly reduce shelled-corn losses . . . the benefits of landshaping have taken on new significance and importance as an increasing number of acres go under irrigation . . . liquid fertilization has been made practical through the development of applicators for planting and cultivating equipment . . . the hydraulically controlled manure loader has made light work of manure handling . . . and 3-point "pick up and go" equipment is enjoying greater popularity than ever. On every job, modern methods are paying off in greater work output, better quality work, easier and more enjoyable farming, spelling the difference between profit and loss in today's farming operations.

John Deere is proud to have played a leading role in the development of the power and equipment that make farming more profitable . . . and to present to you today's leaders in the row-crop tractor field—the new "520," "620," and "720" Tractors.

LIQUID FERTILIZING

The use of liquid fertilizer is growing by leaps and bounds. This John Deere "620" Tractor with 490 Planter and liquid fertilizer attachment check-plants and fertilizes up to 60 acres per day . . . drilling, you can plant and fertilize even more. Modern tractors, modern equipment, modern methods—they add up to greater profits, easier, more enjoyable farming for you.

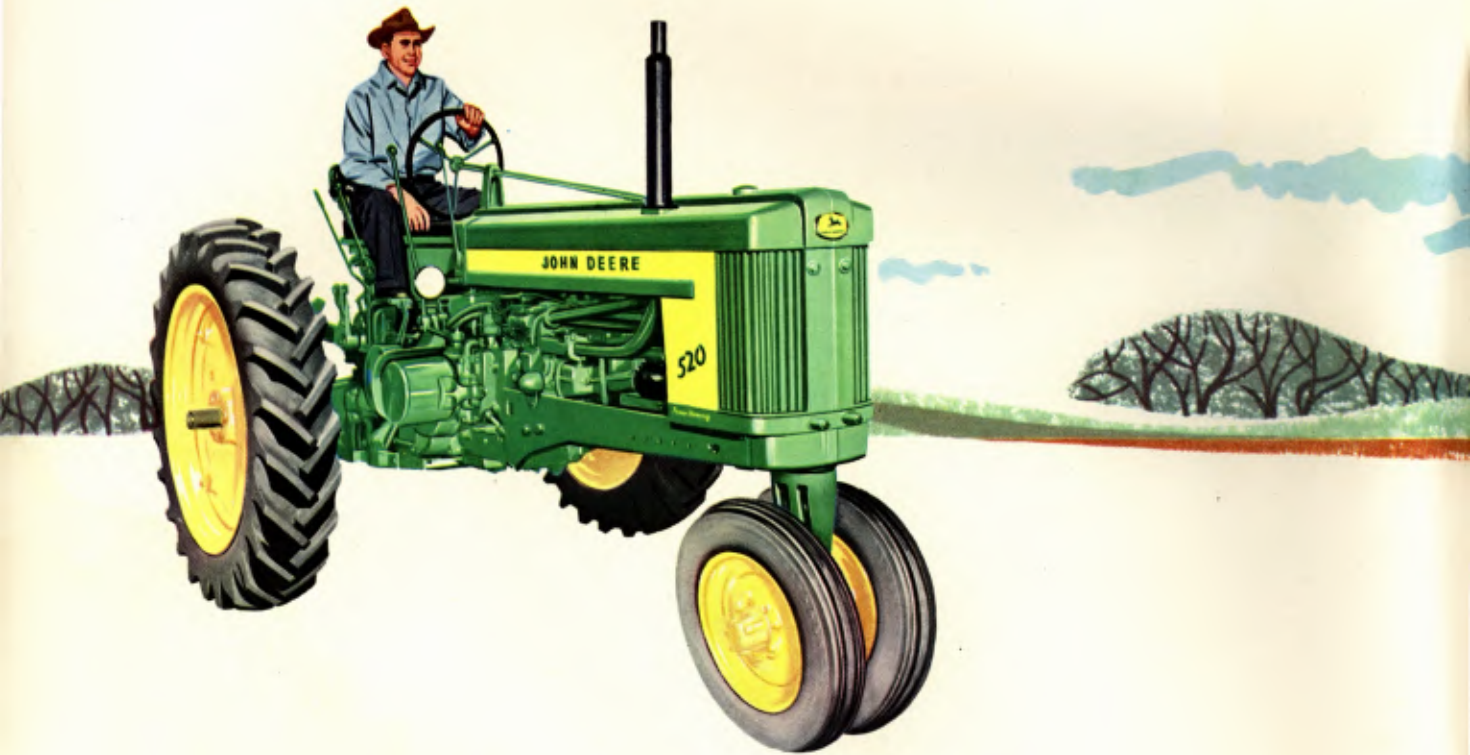
OUR COVER

Moisture-robbing weeds stand little chance of survival against this "620" Tractor and new 4-row Quik-Tatch Cultivator. New Custom Powr-Trol provides precision hydraulic control of front and rear units for better, easier work.



ONE OF THESE MODERN JOHN

will open the door to **BIGGER**



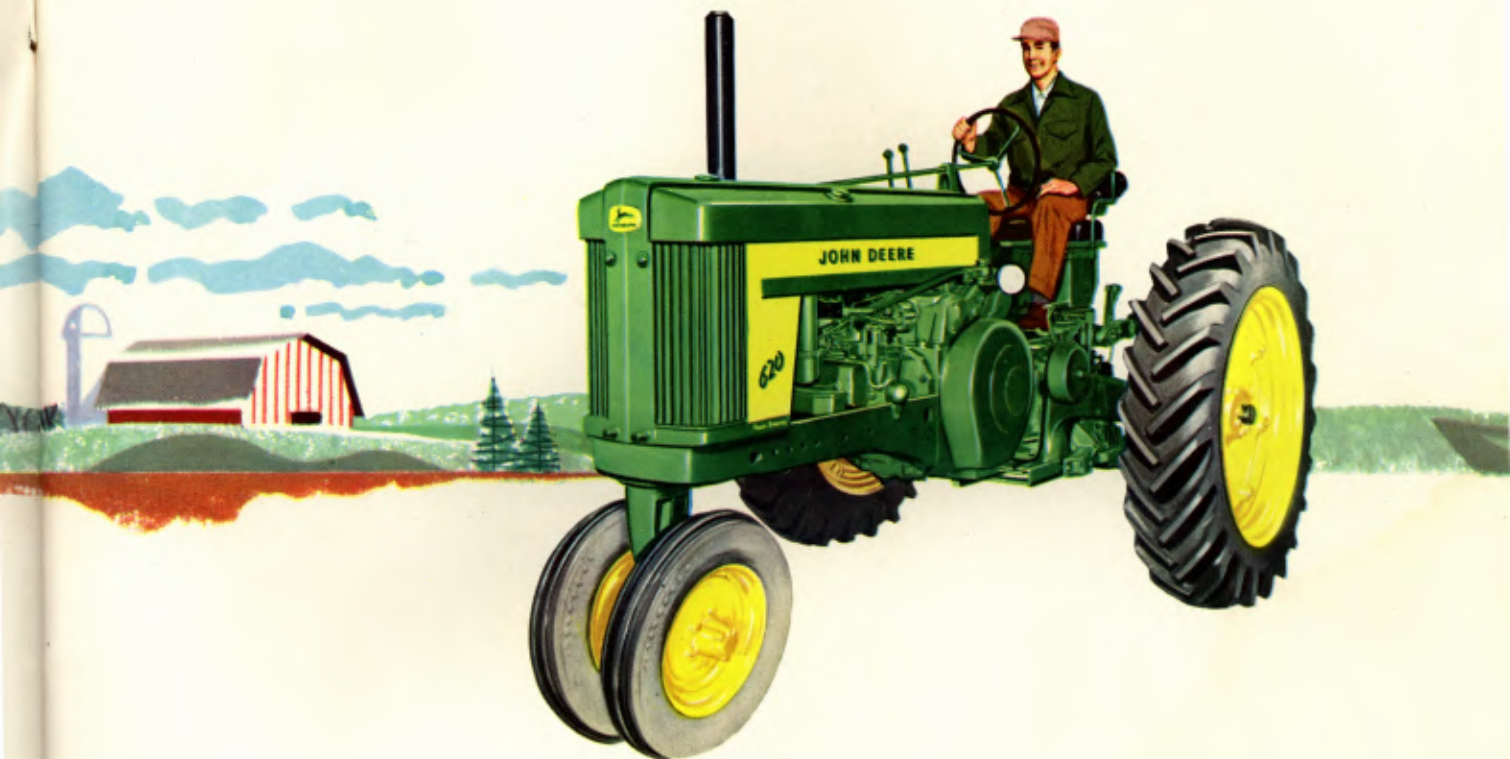
THE FULL 3-PLOW 520 SERIES

Full 3-plow power on drawbar, belt, and power take-off . . . big 4-row capacity in planting and cultivating . . . plus 3-point-hitch adaptability and versatility—you'll enjoy all these advantages in a new John Deere "520" Series Tractor. Here's power that ranks right up with many larger tractors in work output, right alongside many smaller tractors in first cost and operating economy. And when it comes to modern features, advanced engineering, and quality construction, the "520" Series welcomes your comparison with any tractor at any price. Available with a wide choice of interchangeable front-end assemblies, plus your choice of a gasoline, LP-Gas, or all-fuel engine. In official Nebraska Tests, the "520" set a new fuel-economy record on the drawbar for LP-Gas Tractors and broke the old record on gasoline economy.

DEERE TRACTORS



PROFITS for you!



THE FULL 4-PLOW 620 SERIES

You've never driven a tractor that compares with the new "620"! Here is full 4-plow power to whip those tough jobs—power to handle heavy loads continuously at speeds that will cut days off your working calendar, power that is equally at home with drawn, integral, power-driven, and 3-point equipment. New *Custom Power-Trol*—the most versatile hydraulic system ever put on a tractor—headlines a long list of ultra-modern tractor features that include *Advanced Power Steering*, new *Independent Power Take-Off*, new *Float-Ride Seat*, and exclusive *Roll-O-Matic* "knee-action" front wheels. The "620" is available with your choice of a gasoline, LP-Gas, or all-fuel engine. In official Nebraska Tests, the "620" set a new fuel-economy record on the drawbar for gasoline tractors and was second only to the "520" for economy on LP-Gas.

The full 5-plow **720** series . . .

MOST POWERFUL ROW-CROP

In official Nebraska Tests, three new John Deere "720's"—a gasoline, LP-Gas, and a Diesel model—all developed more than 58 belt h.p.* to set a new power record for row-crop tractors . . . and the "720" Diesel set an all-time fuel-economy record.

Here's the answer to the power requirements of large-acreage row-crop farmers . . . a tractor with the power to replace two tractors on many farms at plowing-disking time . . . a tractor that actually handles easier than many smaller tractors . . . that scoops the field in modern functional design and in proved performance, a tractor that works with drawn, integral, power-driven, and 3-point-hitch equipment.

The new "720" is available with all the modern time- and labor-saving features to insure better work and make farming easier and much more enjoyable

for you. New *Custom* Powr-Trol, new *Universal* 3-Point Hitch, *Advanced* Power Steering, new Independent Power Take-Off, exclusive Roll-O-Matic "knee-action" front wheels, new Float-Ride Seat—these and many other outstanding features combine to make the new "720" a real pleasure to own and operate. Small wonder that more farmers who want to do more work, better work, and take life easier at the same time are investing their tractor dollars in a new "720".

You can choose a new John Deere "720" to burn the fuel of your choice . . . gasoline, LP-Gas, Diesel, or farm tractor fuel . . . with the front-end assembly to meet your crop requirements, and with the hydraulic system that's best suited to your requirements. To get big jobs done faster and better at the lowest cost per acre, choose a new John Deere "720" Tractor.

**Sea level (calculated); maximum horsepower based on 60° F. and 29.92 in. Hg.*



TRACTORS ON THE MARKET



Full 5-plow power . . . full performance satisfaction—that's what you enjoy when you choose a new John Deere "720" Tractor. It's easy on you; easy on your pocketbook. You'll move through the rush season with new confidence. Your own work capacity—magnified many times by the "720" brand of "hustle"—will never cease to amaze you. From ground-breaking day through harvest time, the "720" is a dependable friend that stays right with you, easing your work load in a dozen and one ways.

DISK TILLING

Preparing six acres and more of quality seedbed per hour is commonplace with this combination—a powerful John Deere "720" Tractor and new 15 Series Rigid Disk Tiller. This team . . . a flatland favorite . . . completes a 15-foot cut each pass over the field. Working depth is adjusted on the go and the tiller lifted effortlessly at the end of the field through smooth hydraulic power.

Look at all of these **MODERN**



Sparkling-new, two-tone color styling sets the pace for an unmatched combination of ultra-modern John Deere features, available on the new "520," "620," and "720" Tractors. On these two pages are just a few of the many highlights that combine to make a John Deere the easiest and most convenient tractor you've ever handled.

The tireless muscles of hydraulic power enable you to handle the tractor and equipment effortlessly; exclusive Roll-O-Matic "knee-action" front wheels and the new Float-Ride Seat give you the most comfortable tractor ride you've ever had; and in addition you enjoy such advanced engine features as Duplex Carburetion and All-Weather Manifold to insure maximum engine efficiency and economy.

Drive a really modern tractor—drive a new John Deere. Why delay that pleasure any longer?



NEW CUSTOM POWR-TROL

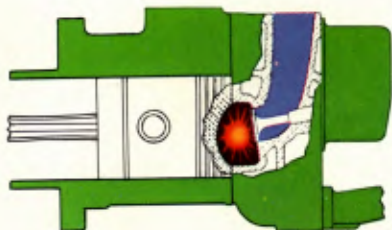
The most versatile hydraulic system ever put on a tractor—offers you up to three completely independent hydraulic circuits for instant, accurate, and effortless finger-tip control of all types of equipment.



ADVANCED POWER STEERING

Takes all the muscle work out of steering the tractor; keeps you relaxed and more at ease on every tractor job. In any soil condition, even with heavy front-mounted equipment, you can turn the wheels easily with one hand.

'WAY-AHEAD **FEATURES**



MORE POWERFUL ENGINES

Completely redesigned combustion chamber provides increased power, smoother performance, greater fuel economy on "520," "620," and "720" gasoline and LP-Gas models.



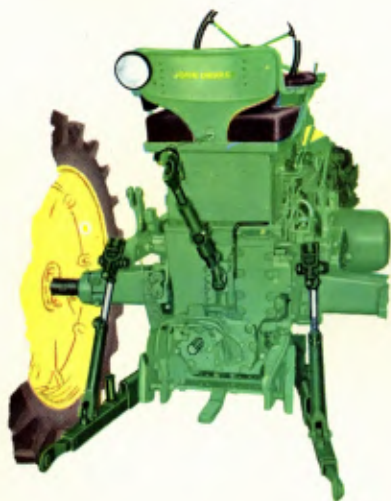
NEW, FLOAT-RIDE SEAT

Absorbs shocks and vibration; makes rough fields seem much smoother. This new seat is fully adjustable to your weight and height for maximum comfort.



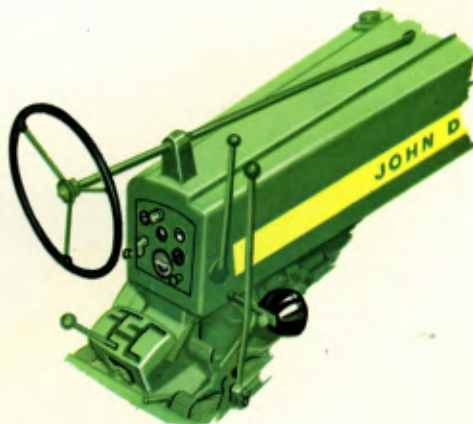
NEW INDEPENDENT PTO

Delivers full power of the great new engines, completely independent of the transmission clutch and the hydraulic system. Convenient pedal control.



NEW UNIVERSAL 3-POINT HITCH

Brings you all the advantages of "pick up and go" farming at its modern best. This husky hitch has practically limitless adaptability to all 3-point equipment. Exclusive Load-and-Depth Control keeps you on the move without down-shifting.



NEW CONVENIENCE, EASE OF HANDLING

Fully adjustable, deep-cushion seat . . . roomy, stand-at-will platform . . . easy-to-reach controls . . . easy-to-read instrument panel, and an unexcelled view of your work, make driving a new John Deere Tractor a real pleasure on every job.

BRAND-NEW ENGINES offer you



This view of the new cylinder head shows the new type combustion chamber featured on John Deere gasoline and LP-Gas models. This combustion chamber in combination with the new aluminum pistons provides controlled turbulence for more efficient operation. Note the large diameter intake valves—another assurance of top performance under varying load conditions.

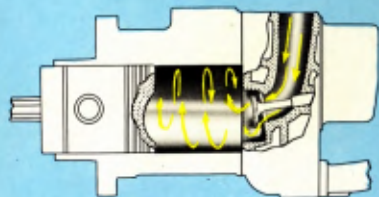
Entirely new engines for "520," "620," and "720" Tractors provide everything you need in the way of power to handle large equipment at maximum speeds and cut production costs.

Both the cylinder head and pistons are entirely new in design. They combine to form a new combustion chamber that squeezes more power out of every drop of fuel and insures better combustion for greater fuel economy.

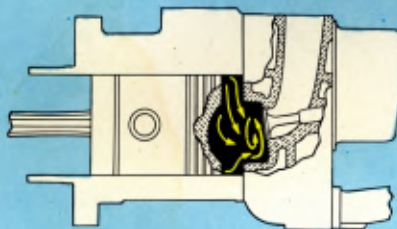
Many Additional Features

A 12-volt electrical system is just one of the many features regularly furnished on "520," "620," and "720" Tractors. It provides ample power for ignition and lighting requirements. A bypass ignition system impresses maximum voltage on the coil during the starting cycle for faster, easier starting even in cold weather . . . the bypass cooling system shortens initial warmup period . . . full-pressure lubrication with full-flow oil filter insures positive lubrication of moving engine parts . . . automatic crankcase ventilation expels harmful vapors and helps prevent sludge formation . . . exclusive All-Weather Manifold insures efficient engine operation winter and summer alike . . . exhaust valve rotators prolong valve life to the maximum. These are just a few of the extra engine values you enjoy when you choose a new John Deere Tractor.

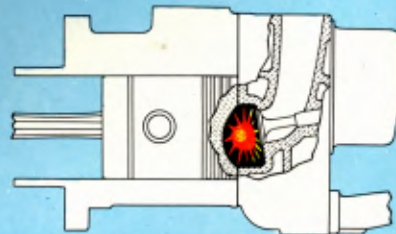
HERE'S WHAT HAPPENS INSIDE THE NEW JOHN DEERE COMBUSTION CHAMBER



On the intake stroke, fuel and air enter the cylinder, following a controlled entry pattern . . . an important first step for proper combustion.



As the piston moves forward, the fuel-air mixture is squeezed into the combustion chamber. High turbulence is created on the end of the stroke.



Thoroughly mixed and highly turbulent, the mixture is ideally prepared to burn rapidly and completely, producing maximum horsepower.

GREATLY INCREASED POWER



ALL-FUEL ENGINES

John Deere "520," "620," and "720" Tractors are available with All-Fuel engines. These engines are specially designed to burn "farm tractor fuels" designated by ASTM (American Standard for Testing Materials) as either light or regular grade.

LP-GAS, THE NEWEST TRACTOR FUEL

LP-Gas has gained steadily in popularity as a tractor fuel. John Deere LP-Gas equipment for "520," "620," and "720" Tractors is factory engineered to burn this fuel with maximum efficiency and economy. In official Nebraska Tests, the new "520" LP-Gas model (above) and the "620" set new fuel-economy records on the drawbar over all other LP-Gas tractors ever tested.

SPECIAL LP-GAS BOOK

If you are considering LP-Gas as a tractor fuel, you should read this folder. It contains the factual answers to your questions about LP-Gas. See your John Deere dealer or simply drop a card to John Deere, Moline, Illinois, for your free copy.



JOHN DEERE TRACTOR **ECONOMY**

keeps more of your dollars at home

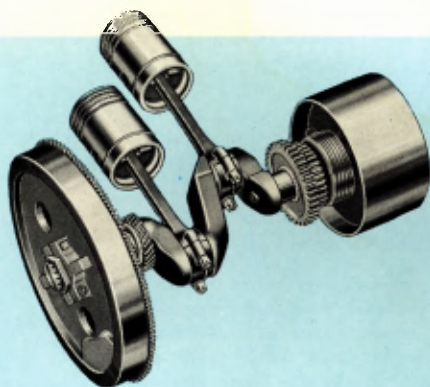
Since the days of the first tractor to bear the John Deere name, the famous Model "D," John Deere Tractors have established a world-wide reputation for holding operating costs down through outstanding fuel and maintenance economy. Recent Nebraska Tests, in which the "520," "620," and "720" Tractors set five new fuel-economy records, are official proof that the new John Deere Tractors are continuing to uphold this reputation.

Rugged simplicity keynotes John Deere tractor design. An exclusive *two-cylinder* engine with practically half-as-many, twice-as-husky parts holds maintenance costs at a minimum. With fewer engine parts, each part can be—and is—made larger, heavier, and stronger for longer life. Fewer engine parts also mean fewer replacements; greater dollar savings for you. An important by-product of this design is the exclusive lugging power you enjoy—thanks to the tremendous driving force built up by the heavier rotating parts.

Two additional important features, found only on

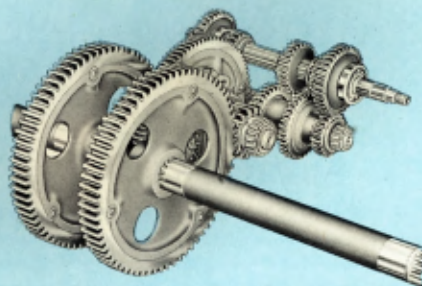
John Deere Tractors, offer further assurance of better performance, maximum fuel economy. First is the Duplex Carburetor, a double-barrelled carburetor that serves each cylinder independently. Identical amounts of the fuel-air mixture are metered to each cylinder, providing livelier power, smoother performance, and greater fuel economy. The All-Weather Manifold, featuring a two-position valve, enables you to select the proper temperature for the fuel-air mixture to obtain best combustion winter and summer alike. This results in greater engine efficiency, better performance in any temperatures.

The combination of greater fuel economy, lower maintenance costs, plus increased work capacity puts dollar savings in your pocket. Remember—only a John Deere Tractor offers you this economy, because only a John Deere features the exclusive two-cylinder engine design... the design that has stamped John Deere Tractors as "Something Different—Something Better."



UNEQUALLED SIMPLICITY

No other tractor offers you the simplicity of the John Deere two-cylinder engine design. There are only two pistons, two connecting rods—correspondingly fewer valves, rings, and other engine parts to wear and require replacement.



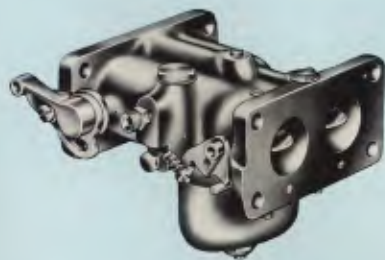
RUGGED CONSTRUCTION

Extra weight and strength are fundamental advantages of the John Deere two-cylinder design. The transmission and final drive gears, above, are typical of the rugged construction that enables a John Deere to stand up much longer under grueling farm work.



DRYLOT FEEDING

Bringing the pasture to the cow makes good sense and good profits for you. "Coddled" cows are contented cows; milk production goes up. You can feed more cows off the same acreage, because there's no waste from trampling. And with modern equipment like the new "620" Tractor and John Deere 10 Rotary Chopper shown above, you can chop and haul a load in about the same time it would normally take to bring the cows from the other end of the pasture.



DUPLEX CARBURETION

The Duplex Carburetor is but one of many exclusive features you'll find on a John Deere Tractor. This double-barrelled carburetor insures livelier, more responsive power, smoother engine performance, and greater fuel economy.

NEW CUSTOM POWR-TROL



any or all of these

New John Deere *Custom* Powr-Trol is the most versatile hydraulic system ever put on a tractor. It's a big-capacity, multi-function hydraulic system that gives you instant, accurate, and effortless finger-tip control of all types of equipment; that saves you time and effort; that insures better work on more jobs than ever before.

Just look at what new *Custom* Powr-Trol offers: Smooth, positive hydraulic power to raise and lower equipment . . . to angle and straighten disk gangs . . . to adjust implement working position "on the go" . . . single, delayed, or selective lift for cultivators and similar equipment. Double-action remote cylinders exert down pressure on front-mounted units for better penetration in hard-caked soils. A brand-new position-responsive rockshaft handles a wide variety of integral equipment as well as the new Universal 3-Point Hitch. New *Custom* Powr-Trol also offers you remote-cylinder control of single or double hookups of drawn equipment plus single-action operation for use with manure loaders.

TAILORED TO YOUR NEEDS

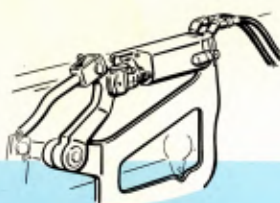
With *Custom* Powr-Trol you can match your hydraulic requirements exactly. New "520," "620," or "720" Tractors can be ordered with one, two, or three hydraulic circuits; you do not have to pay for any hydraulic functions you do not intend to use. Should your requirements change, you can add other functions quickly and at nominal cost.

New *Custom* Powr-Trol is a 100 per cent "live" system. Each hydraulic circuit has its own control lever. Thus, you can operate circuits individually or simultaneously. Each circuit operates completely independent of the other circuits, the transmission clutch, and the power shaft.

**UP TO 3
INDEPENDENT
CIRCUITS
PROVIDE**

- **SINGLE LIFT**
- **DELAYED LIFT**
- **SELECTIVE LIFT**

PLUS . . .



- **DOWN PRESSURE
ON FRONT RIGS**



- **LOAD-AND-DEPTH CONTROL**

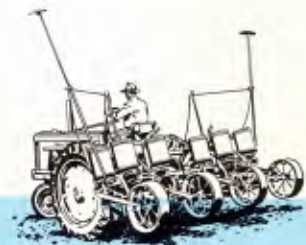
offers you

MODERN HYDRAULIC FUNCTIONS



NEXT THING TO PUSH-BUTTON FARMING

Precision hydraulic control of front and rear rigs, effortless power steering, unexcelled view, knee-action front wheels, plus the most restful and shock-absorbing seat ever put on a tractor make precision cultivating easier and more enjoyable with a new John Deere.



• **HUSKY LIFTING POWER**



• **REMOTE CYLINDER CONTROL
OF DRAWN EQUIPMENT**

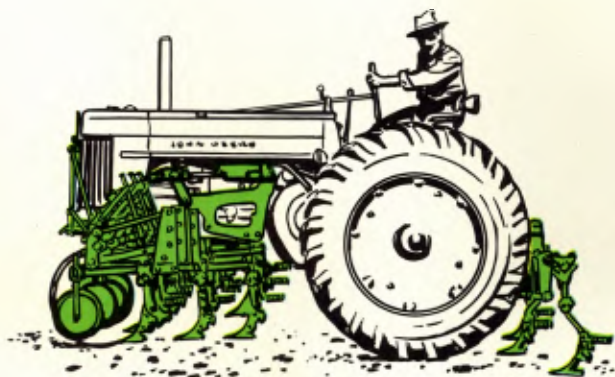


• **SINGLE-ACTION CONTROL
FOR LOADERS**



SINGLE LIFT THROUGH A POSITION-RESPONSIVE ROCKSHAFT

A brand-new position-responsive rockshaft, the basic unit of new *Custom Powr-Trol*, provides single lift for integral equipment such as bedders, cultivators, planting and fertilizing equipment, etc. Front and rear units are raised or lowered simultaneously by merely moving the rockshaft lever. "Position responsive" means that the position of the rockshaft is always in direct relation to the position of the control lever in the quadrant. You can control working depth accurately by moving the lever forward or back as required.



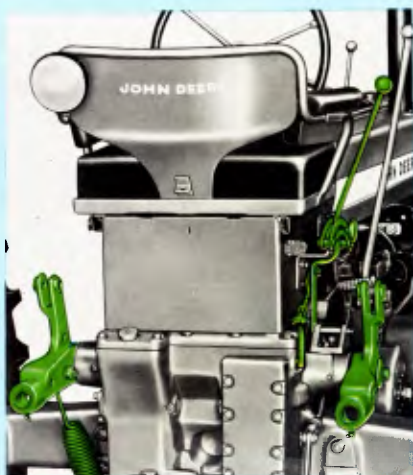
DELAYED LIFT WITH SINGLE REMOTE CYLINDER

Independent control of front- and rear-mounted equipment (*delayed lift*) is a big advantage of *Custom Powr-Trol*. Front units can be raised at the end of the row and lifting of rear units delayed until the tractor clears the row. This advantage is obtained with a single remote cylinder and a solid front rockshaft to raise or lower both front units simultaneously. The double-action cylinder also provides down pressure on the front units. Rear units are raised by the position-responsive rockshaft. Delayed lift enables you to finish out each row.



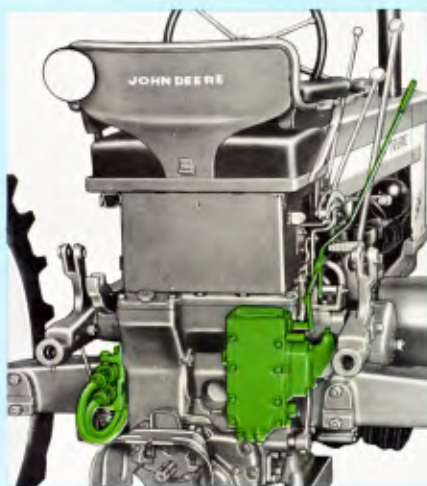
SELECTIVE LIFT WITH DUAL REMOTE CYLINDERS

When the tractor is equipped with two remote cylinders, a *split* front rockshaft can be used to provide selective control of front units. Each side of the front rockshaft is controlled by a remote cylinder and operates independently. Thus, you can raise or lower either side independently or both sides simultaneously. This feature of new John Deere *Custom Powr-Trol* is invaluable when working in point rows. Double-action remote cylinders provide down pressure on front units. Rear units are raised or lowered by the position-responsive rockshaft.



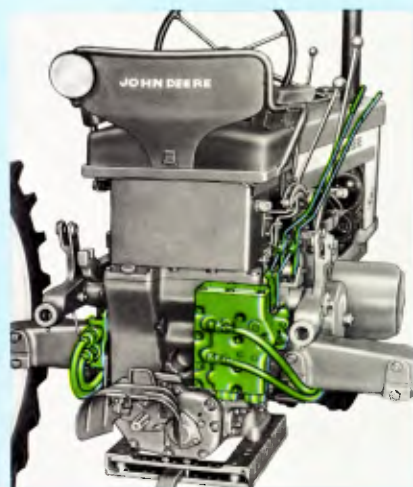
The new John Deere position-responsive rockshaft controls a wide variety of integral and 3-point tools. Ample hydraulic capacity enables this husky new rockshaft to handle any equipment recommended for use with the tractor.

The new rockshaft features a full 75 degree of travel. The rockshaft can be set at any position between the high and low points simply by moving the lever to a corresponding position in the quadrant. An adjustable stop provides a means of returning the implement to a pre-selected depth.



When a single remote cylinder is desired for use with drawn machines or to obtain delayed lift, the tractor is equipped with a single remote cylinder valve housing, control lever, and breakaway hose connections as shown at left.

The single remote cylinder controls both lift arms of this solid front rockshaft simultaneously, raising and lowering front units and providing down pressure for penetration in hard soils. The front-mounted rockshaft eliminates the need for lift pipes.



This dual remote cylinder setup (left) provides selective lift and down pressure for cultivators and similar equipment as well as remote-cylinder control of double hookups of drawn machines. It includes a double remote cylinder valve housing and separate control levers for each cylinder.

Each lift arm of this split front rockshaft is controlled by a remote cylinder and can be operated independently to provide selective control of front units. Lift arms may also be operated simultaneously by moving both control levers at one time.



NEW UNIVERSAL 3-POINT HITCH



Quick change from one tool to another . . . high clearance for faster transporting . . . greater field maneuverability—all these advantages are yours in the new John Deere Universal 3-Point Hitch. This new hitch works with a brand-new line of big-capacity John Deere matched equipment and with tools designed for other John Deere and competitive 3-point hitches. It's the hitch that makes "pick up and go" farming more practical than ever before.

LOAD-AND-DEPTH CONTROL

Exclusive Load-and-Depth Control is an outstanding feature. It keeps the implement working at a constant depth, automatically transferring weight to the tractor drive wheels as needed to maintain traction. When extremely tough spots are encountered, increased pressure on the center link actuates the hydraulic system which makes very minute depth compensations to relieve the load and keep the tractor on the move. With Load-and-Depth Control, you get maximum traction with minimum wheel weighting and you work at a steady pace covering more acres per day.



FULL SIZE INTEGRAL PLOWS

This new full-size, fully integral 4-bottom "pickup" plow for the "620" and "720" Series Tractors is typical of the line of big-capacity John Deere equipment for the Universal 3-Point Hitch.

lets you "pick up and go" on more farm jobs



EVERY JOB MOVES FASTER

It's full speed ahead to and from the field, steady progress on the job with the new time-saving Universal 3-Point Hitch, shown here with a Killefer 416X Disk Harrow.

Sturdy construction throughout enables the new Universal 3-Point Hitch to stand up under severe field punishment. One man can attach or detach this hitch quickly and easily without the use of tools. Hooking up equipment is equally easy—thanks to such features as telescoping draft links and adjustable lift links.

Ample hitch adjustments are easily made and insure better work on every job. In most cases, these can be made from the tractor seat. Raising and lowering equipment is accomplished through the new position-responsive rockshaft, which enables you to set working depth exactly as you desire. An adjustable stop on

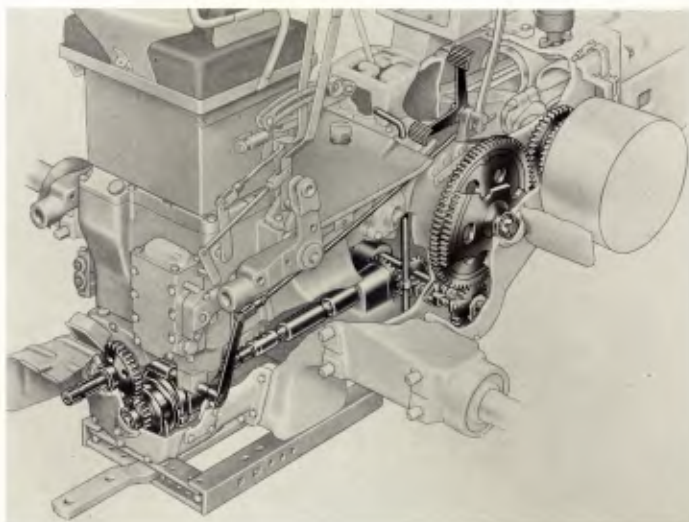
the control lever quadrant makes certain the implement returns to the set depth each pass over the field.

The John Deere Universal 3-Point Hitch will enable you to handle a much wider variety of jobs with a single tractor. Your John Deere dealer has the full story on this hitch and the new line of big-capacity John Deere 3-point tools. See him soon and learn how you can enjoy "pick up and go" farming at its modern best with a new "520," "620," or "720" Tractor equipped with the Universal 3-Point Hitch.

NEW INDEPENDENT

POWER TAKE-OFF

saves the cost of extra engines



This cutaway shows the sturdy PTO power train. Note that the power shaft is controlled by means of a conveniently located pedal. A throwout lever enables you to disengage the power train if the PTO is not to be used. A built-in safety clutch protects the shaft from sudden overloads.

No longer do you need to purchase and maintain auxiliary engines to operate power-driven machines. The new Independent Power Take-Off featured on "520," "620," and "720" Tractors delivers full engine output completely independent of the transmission clutch and the hydraulic system. You can start or stop tractor travel, shift gears, or operate the hydraulic system without affecting PTO operation. There's less time lost when a slug of material enters a power-driven machine because you merely disengage the clutch, allow the machine to clear itself, then continue on your way. A 1½ mph "creeper" gear lets you work with top efficiency in heavy crops. Clogging is reduced to a minimum and rarely, if ever, will you have to leave the tractor seat.



ONE-MAN BALING

One man controls this "520" Tractor and 14-T Twine-Tie Baler with ease. The new Independent PTO guards against clogging; Advanced Power Steering enables the operator to guide the tractor along the windrow with one hand.



ONE MAN, ONE OUTFIT, IN ONE TRIP

Cuts and conditions hay with the fast-working "520" Tractor, Power Mower, and Hay Conditioner. Conditioned hay makes better feed, cures in half the time, and insures against crop losses. The new Independent PTO drives both machines.

AMPLE POWER, PROPER SPEED

John Deere "520," "620," and "720" Tractors feature a 1½ mph "creeper" gear, which is ideal for maintaining full power-shaft output at slow travel speeds when handling heavy crops. Here is the new "620" working with the big-capacity 30 Combine.



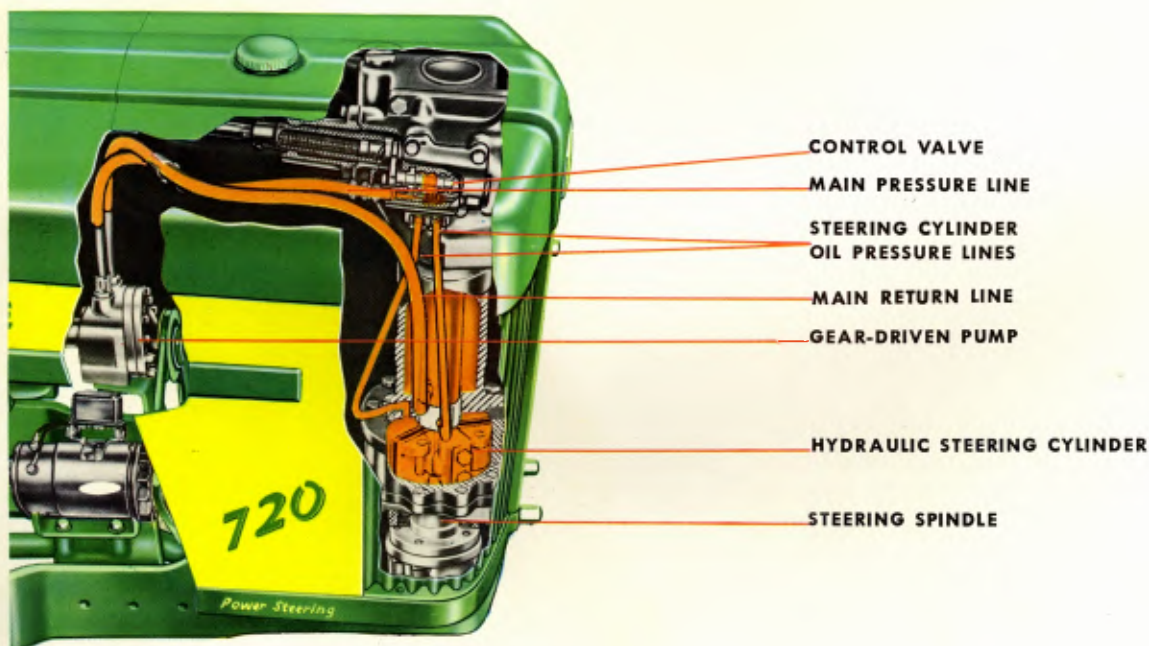
ADVANCED **POWER STEERING**

saves your muscles every minute, on every job

Whatever your job—maneuvering in tight quarters . . . working with a heavy front-mounted loader . . . precision cultivating . . . following a windrow . . . making square turns with your mower . . . lining up the drawbar with an implement hitch . . . backing equipment into a barn—these and the many other day-to-day tractor jobs are all done far easier and with much less effort with John Deere *Advanced Power Steering*.

No other single feature has done so much to take the muscle work out of farming. Try it in deep sand, in mud or snow . . . in plowed ground, or in the slippery muck of the feedlot. Here's freedom from steering effort and fatigue; from tired arms and aching shoulders; from tension that robs you of the alertness required for safe tractor operation.

With *Advanced Power Steering*, you make one-hand turns with the other hand free to operate other controls. Your efficiency goes way up and, naturally, so does the quality of your work. There's much more to tell—the freedom from steering wheel tug if the front wheels drop into a hole; the freedom from the shock of hitting a rock or field obstruction—but nothing compares to an actual field demonstration in describing the new thrill that John Deere *Advanced Power Steering* has in store for you. Since 1954, when John Deere pioneered factory-engineered Power Steering on row-crop tractors, thousands of farmers have discovered that there *is* an easier way to farm; that tractor driving can be a real pleasure with John Deere *Advanced Power Steering*.





TRACTOR POWER DOES ALL THE WORK

All the work of loading; all the effort of steering is handled with the "live" hydraulic power of this new "620" Tractor, shown with the 45 Loader.

Advanced Power Steering is an outstanding John Deere engineering achievement. A gear-driven pump provides a smooth flow of hydraulic power whenever the engine is running. A precision control valve directs oil under pressure to either side of a vane which is attached to the steering spindle, turning the front wheels to the right or left at your command.

The entire mechanism is simple and quality-built for a long life of service. The power steering unit is completely enclosed and protected between the radiator and grille (*opposite page*); there are no protruding parts to be damaged by field obstructions or to inter-

fere with your view or working equipment. This outstanding feature is an integral part of the tractor, not an attachment.

Test-drive a new "520," "620," or "720" Power Steering Tractor. See how easily you can turn the front wheels with one hand (one finger, if you prefer) even when the tractor is standing still! Then visualize what this feature can mean to you in terms of easing your work load on every tractor job. Once you try this outstanding feature, we know you'll want to join the ever-growing number of farmers who own John Deere Power Steering Tractors.

NEW **FLOAT-RIDE SEAT** AND EXCLUSIVE

offer you unmatched riding comfort

The brand-new John Deere Float-Ride Seat is a real advancement in operator comfort. It absorbs shocks; provides a gentle, floating ride over the roughest fields, and keeps you much more relaxed at the wheel. Not only is this seat adjustable to your height; it is also accurately adjustable to your weight. Turning a handle at the rear of the seat increases or decreases the tension on two rubber torsion springs to compensate for your weight. A hydraulic shock absorber mounted on the front of the seat is a further assurance of maximum comfort. The seat cushion is full foam rubber—top to bottom—and can be furnished in black or yellow as you prefer. For the most comfortable tractor ride you've ever had, try the new John Deere Float-Ride Seat. You'll be amazed at the difference it makes.



BETTER SEEDBEDS

Good work comes naturally with this outfit. It's a new "620" Tractor and Model "KBY" Integral Disk Harrow ... a fast-working team that can convert up to 50 acres into a fine, mellow seedbed in a 10-hour day. Better seedbeds give plants a big push toward bigger yields.

ROLL-O-MATIC FRONT WHEELS



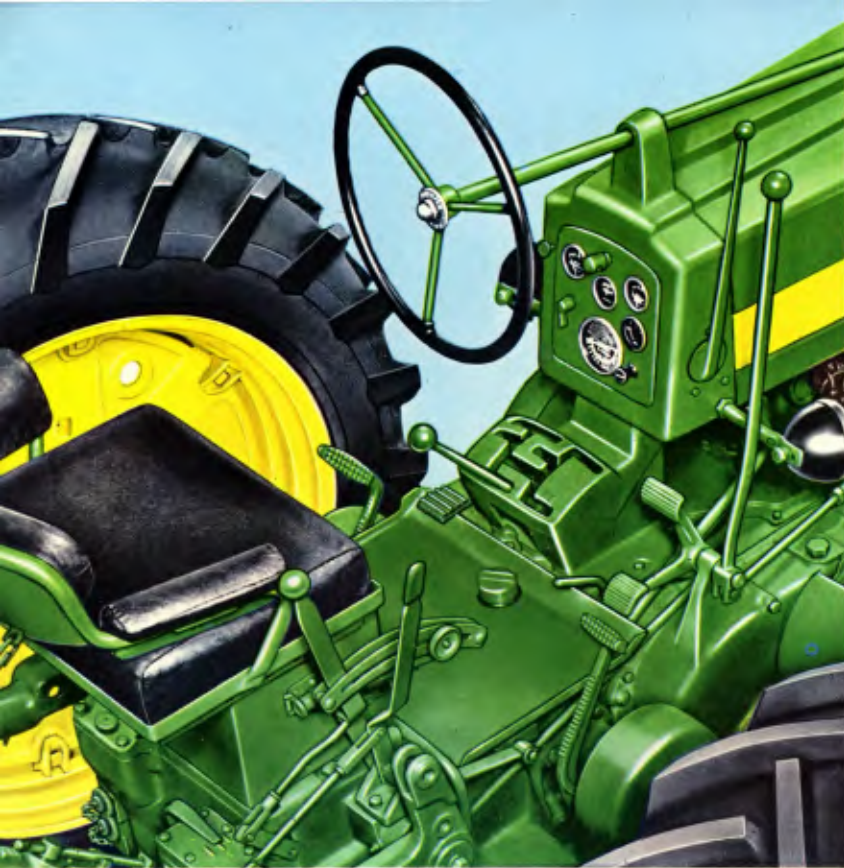
FRONT-MOUNTED BEDDERS

New John Deere big-capacity 350 Series Bedders have mechanical load equalizers which prevent swerving in soft spots. This exclusive feature makes possible the use of larger bedders to more fully utilize tractor capacity.

Since 1947, an exclusive John Deere feature—Roll-O-Matic “knee-action” front wheels—has provided a much smoother ride than is obtainable on any other tricycle-type tractor. Roll-O-Matic front wheels cut front-end bounce in half and insure a much greater degree of riding comfort in practically every operating condition. In addition, Roll-O-Matic offers easier, surer-footed operation over rough ground, on sidehills, in furrows, on tops of beds (*above*), and along the contour. With just a guiding hand, the tractor literally “walks” over obstructions, climbs furrow walls, and operates in rough fields with much greater stability. Finally, by equalizing the load on both front wheels, Roll-O-Matic prolongs front tire life. This John Deere “exclusive” insures greater comfort, better work on every job.

This cutaway view of Roll-O-Matic shows its rugged construction. Here, one wheel rides over an obstruction, forcing the other wheel down. This equalizes the load on each wheel and cuts front-end bounce exactly in half over conventional-type front wheels.





No other tractor can match a John Deere when it comes to convenience features. Look at the operator's platform, above. It's roomy enough for the farm "heavyweight"; yet offers the same degree of convenience to the smaller man. You can stand at will without moving or tipping the seat; without straddling the transmission.

Controls are conveniently located where you'd expect them to be—where they should be. Throttle and clutch levers are close together; hydraulic controls are snugged next to the seat near your right hand. Directly ahead is the full-view, lighted instrument panel. The speed-hour meter and electric fuel gauge are available as special equipment. Ignition and lights are controlled by one switch.

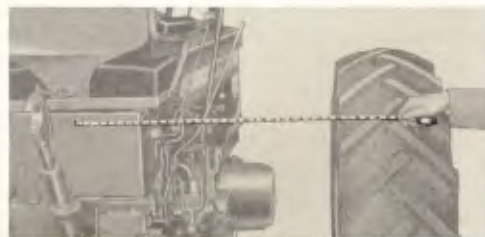
The gearshift lever lets you select any one of six forward speeds. Conveniently located pedals control the positive differential brakes and the new Independent Power Take-Off. All in all, these convenience features make a John Deere the easiest tractor you've ever had the pleasure of operating.

EVERYTHING'S



UNEXCELLED VIEW

This picture shows the clear unobstructed view you get from a natural, relaxed position on the seat. Note how the high, centered seat location, tapered fuel tank, and the offset exhaust muffler combine to provide an unexcelled view of the work ahead and to either side that contributes directly to better work.



CENTERLINE SLOT

It's easy to check rear-wheel tread settings on a "520," "620," or "720" Tractor. Simply insert the end of a steel tape into the slot marking the center line of the tractor and measure to the center of the tire. Accurate tread settings help insure better work.

MORE CONVENIENT



QUICK-CHANGE WHEEL TREAD

Rear wheel-tread is easily adjusted by loosening three bolts, tightening two screws, and turning an adjusting nut (above). There's no hammering, lifting, or tugging; no reversing of wheels to obtain the full tread range.



STURDY MOUNTING STEP

This sturdy step makes mounting and dismounting the tractor easier and more convenient. It can be attached to the front or rear of either rear axle housing and has a punched surface for a firm foothold.



BATTERY UNDER SEAT

Batteries are conveniently located in a compartment under the seat. This location protects them from engine heat and the elements. You merely lift the seat cushion to inspect or service the batteries.



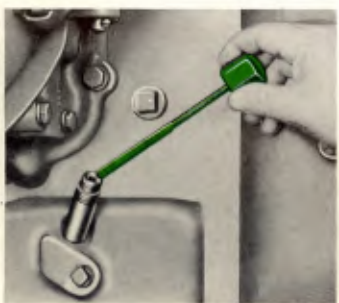
EASY-TO-CLEAN GRILLE

Trash and chaff are easily removed by running your fingers down the flutes of the grille. Particles small enough to pass through the fine-mesh screen will normally pass through the radiator core without damage.



HANG-UP BRACKET

The convenient hang-up bracket, shown above, permits transporting a remote cylinder on the tractor when the cylinder is not in use. The cylinder is held securely so that it won't strike the tractor in transport.



DIPSTICK

This new oil dipstick enables you to check the level of oil in the crankcase in a jiffy. The top of the dipstick forms a tight dust-cap which can be screwed securely in place to avoid loss.



CIGARETTE LIGHTER

This cigarette lighter saves time, matches, and tempers, especially on windy days. Just push it in, wait a second or two, and out it pops ready for use. Available as extra equipment.



PLUG-IN OUTLET

This two-contact electrical outlet provides a convenient means of obtaining electrical power for auxiliary lights, warning lamps, and can be used to plug in a battery charger.

JOHN DEERE TRACTOR ATTACHMENTS

IMPLEMENT LIGHT

To help prevent accidents on highways at night, John Deere makes available this implement warning lamp. The lamp projects beams of light visible for 500 feet; amber light in front, red to the rear and at 90-degree angles. The lamp plugs into the tractor electrical outlet and is held securely in a socket mounted on the left side of the implement.



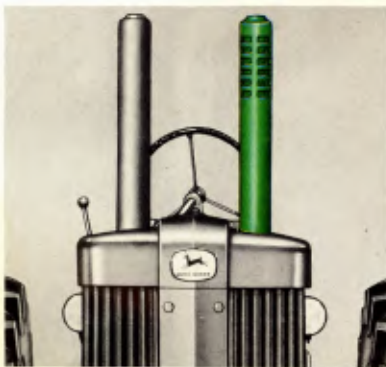
WARNING LAMP

This tractor mast warning lamp clearly marks the passing side of your tractor and may help prevent a serious accident. On hilly roads the lamp can be swung directly overhead to give other vehicles advance warning of your presence. When not in use, the lamp is carried alongside the hood, where it does not interfere with your view or with mounted equipment.



INTAKE STACK

Where conditions are extremely dusty, this new John Deere air stack assembly is recommended. Cleaner air is taken in from a higher level, thus reducing the amount of dust that must be removed by the air cleaner. A knockout plate on the tractor hood makes it quick and easy to install the new air stack.



FRONT-END WEIGHTS

Front-end weights are recommended to counterbalance rear-mounted equipment. The amount required will vary with the weight of rear tools. One weight for each side and three for the front make it possible to quickly, easily, and attractively add the amount required for stability and positive steering.



REAR EXHAUST MUFFLER

A special rear exhaust and tail-pipe assembly (not illustrated) provides maximum clearance for working under low sheds and through doorways, for operating a manure loader or for working around a feedlot. Exhaust fumes are discharged to the rear, away from the operator. This special muffler can be installed quickly and easily. A metal cap covers the regular exhaust port in the hood.

FIVE INTERCHANGEABLE FRONT-END ASSEMBLIES

A two-piece front pedestal enables you to use any of the interchangeable front-end assemblies at right and match your job and crop requirements exactly. Conventional or Roll-O-Matic dual front wheels for normal-spaced rows, single front wheel for narrow-spaced crops, a fixed 38-inch front tread for working 3-row bedders, or a 48- to 80-inch adjustable front axle for straddling beds or handling crops grown in wide-spaced rows.

for your safety and special requirements

TWO-POSITION REAR FENDERS

Neatly styled John Deere pressed steel fenders are available for all "520," "620," and "720" Tractors. They offer you protection from accidental contact with the rear wheels when working over rough ground or on hillsides. These fenders are sturdily built and feature a two-position adjustment for greater clearance between the fender and seat.



SNAP-ON ARM RESTS

With a pair of John Deere arm rests, you'll relax more and ride in greater comfort. Foam rubber pads protect your hips and thighs when working on rough ground and hillsides. No bolting is necessary; the arm rests snap on quickly, easily, and securely. Available in black or yellow as preferred.



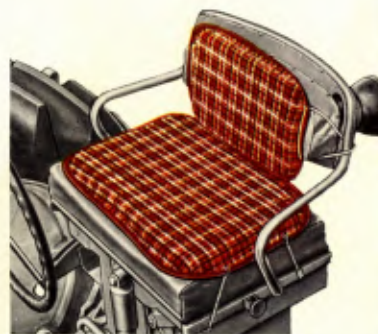
REAR WHEEL WEIGHTS

Cast-iron weights can be bolted to the rear wheels to provide extra traction in difficult conditions. Each weighs 150 pounds. Additional weight can be added by bolting weight to weight. Handholds built into the weights help prevent accidental pinching of fingers and make installation easier and more convenient.



AIR-VENT CUSHION

This brand-new John Deere air-vent cushion is a real comfort feature in warm weather. This cushion lifts you off the hot seat; provides ample ventilation to keep you cooler and more comfortable. The cushion is sturdy enough to hold you off the seat; yet is soft and springy for maximum comfort.



Dual



Single



Roll-O-Matic



Fixed 38-Inch Tread



Adjustable Axle

The new

JOHN DEERE

SERVICE POLICY



...your guarantee
of satisfaction

When you buy a new John Deere "520," "620," or "720" Tractor, your dealer will present you with this John Deere Service Policy. It certifies that your tractor has been thoroughly checked before it was delivered; it provides a free, 150-hour inspection and service. It is written proof that your dealer is interested in you and your tractor *after* the sale is made. The new John Deere Service Policy is another assurance of satisfaction with your new John Deere Tractor.

S P E C I F I

"520" Series

POWER*	Gasoline	LP-Gas	All-Fuel**
Drawbar h.p.	34.31	34.17	24.77
Belt h.p.	38.58	38.09	26.61
SPEEDS, m.p.h.	12.4-36 Tires		
First	1½		
Second	2½		
Third	3½		
Fourth	4½		
Fifth	5½		
Sixth	10		
Reverse	2½		
BELT PULLEY			
Diameter and Face	9½-in. x 7¼-in.		
R.P.M. (Rated Speed)	1325		
Belt Speed (Feet per Minute)	3360		
POWER TAKE-OFF (Engine Driven)	529 r.p.m.		
ENGINE			
Speed (r.p.m.)	1325		
Bore and Stroke	4½-in. x 5½-in.		
Governor			
Carburetion			
Ignition			
Lubrication			
Cooling			
ELECTRICAL SYSTEM			
Lighting			
FUEL TANK CAPACITY			
Gasoline Engine	18 gallons (U.S.)		
LP-Gas Engine	24 gallons (85%) (U.S.)		
All-Fuel Engine	15½ gallons (U.S.) plus 2 gallon gasoline		
WATER CAPACITY	4½ gallons (U.S.)		
CLUTCH (Hand Operated)	Four 7-in. dry disks		
REAR TIRES AND WHEELS	12.4-36, 4-ply		
	12.4-36, 6-ply		
	13.9-36, 4-ply		
	9-42, 6-ply		
FRONT TIRES AND WHEELS	11-38 Cane and Rice, 6-ply		
	5.50-16, 4-ply reversible disk wheels		
REAR-WHEEL TREAD			
Regular axle	56-in. to 88-in.		
Long axle (Straight wheels)	62½-in. to 97¾-in.		
Extra long axle (Straight wheels)	—		
Long axle (Offset wheels)	56-in. to 104-in.		
Extra long axle (Offset wheels)	—		
FRONT-WHEEL TREAD			
Adjustable front axle			
DRAWBAR			
DIMENSIONS			
Over-All Width	86½-in.		
Over-All Length	132¾-in.		
Over-All Height	83¾-in.		
WHEELBASE	90 inches		
SHIPPING WEIGHT	{ 4960 lbs. (Gasoline) 5250 lbs. (LP-Gas)		

*Sea level (calculated); maximum horsepower based on 60°F. and 29.92 in. Hg.

**The all-fuel engines handle "farm tractor fuels" designated by ASTM (The American Standard for Testing Materials) as either light or regular grade.

C A T I O N S (SUBJECT TO CHANGE WITHOUT NOTICE)

"620" Series

"720" Series

Gasoline	LP-Gas	All-Fuel**	Gasoline	LP-Gas	All-Fuel**
44.16	45.78	32.66	53.05	54.17	41.29
48.68	50.34	35.68	59.12	59.61	45.33

13.6-38 Tires.....13.6-38 Tires

1 1/2.....1 1/2

2 1/4.....2 1/4

3 1/2.....3 1/2

4 1/2.....4 1/2

5 1/2.....5 1/2

11 1/2.....11 1/2

3.....3 1/2

12 1/2-in. x 7 1/8-in.....12 1/2-in. x 7 1/8-in.

1125.....1125

3775.....3790

540 r.p.m.....547 r.p.m.

Two cylinders, cast-in-block, valves-in-head

1125.....1125

5 1/2-in. x 6 3/8-in.....6-in. x 6 3/8-in.

Enclosed fly-ball type—one ball-thrust and two self-adjusting ball bearings

Dual induction with double-barrelled carburetor and individually ported valves

Camshaft-driven, automotive-type distributor

Full force-feed pressure system with full flow oil filter

By-pass cooling system, with centrifugal pump and heavy duty thermostat

12-volt system with voltage regulator. Cigarette lighter and electric fuel gauge available on all models

Two front lights and one rear combination white and red warning light

22 1/4 gallons (U.S.).....26 1/2 gallons (U.S.)

33 gallons (85%) (U.S.).....33 gallons (85%) (U.S.)

20 1/2 gallons (U.S.) plus 1 gallon gasoline.....24 1/2 gallons (U.S.) plus 1 gallon gasoline

6 1/2 gallons (U.S.).....7 1/8 gallons (U.S.)

Four 10-in. dry disks.....Six 10-in. dry disks

12.4-38, 6-ply.....13.6-38, 6-ply

11-38, 6-ply Cane and Rice.....13-38, 6-ply Cane and Rice

13.6-38, 6-ply.....15.5-38, 6-ply

12-38, 6-ply Cane and Rice.....12-38, 6-ply Cane and Rice

15.5-38, 6-ply.....12-38, 6-ply Cane and Rice

6.00-16, 4 or 6-ply reversible disk wheels.....6.00-16, 4 or 6-ply reversible disk wheels

58-in. to 88-in.....60-in. to 88-in.

62 1/2-in. to 97 1/4-in.....62 1/2-in. to 97 1/4-in.

—.....66 1/2-in. to 105 1/4-in.

58-in. to 104-in.....60-in. to 104-in.

—.....60-in. to 112-in.

Adjustable in 2-inch steps from 48 to 68 inches; in 4-inch steps from 68 to 80 inches

Conforms to ASAE-SAE standards for hitch location

86 3/8-in.....86 3/8-in.

135 1/4-in.....135 1/4-in.

88 1/8-in.....88 1/4-in.

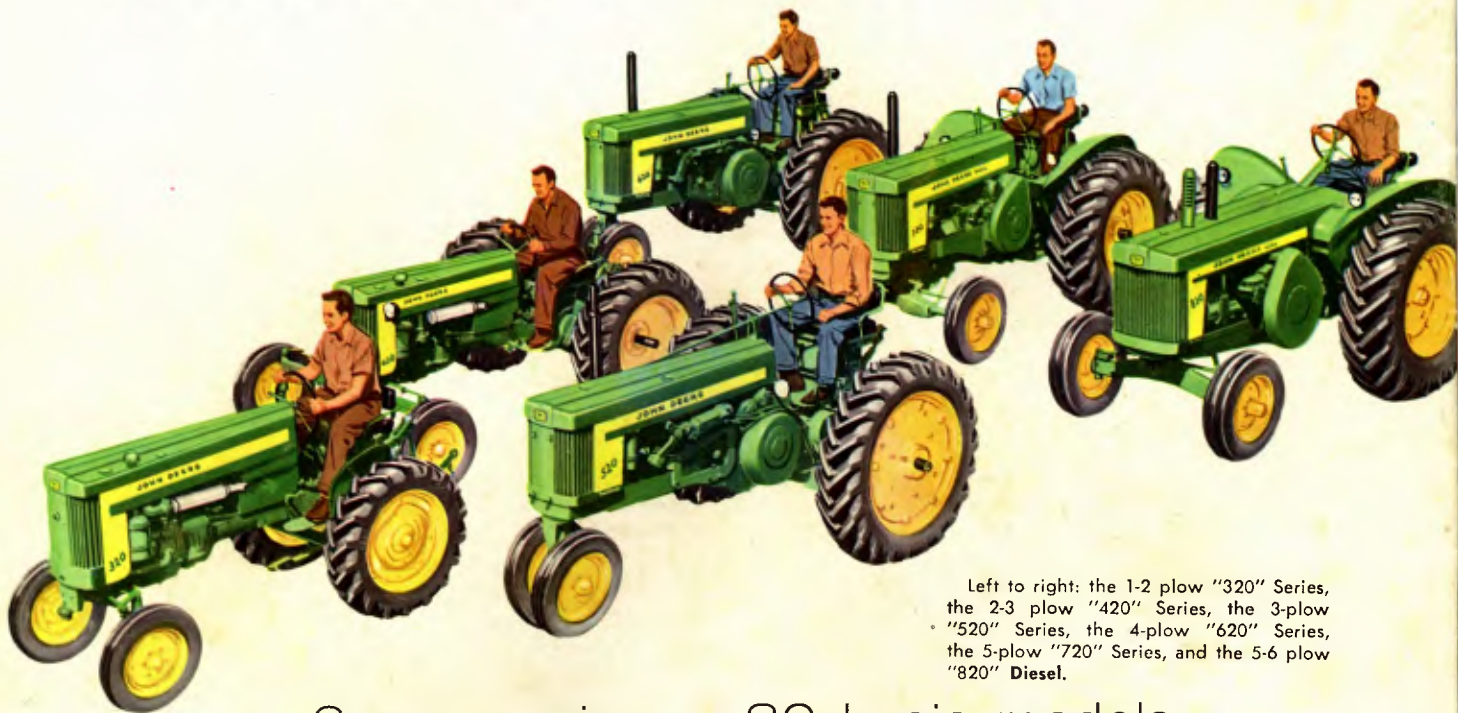
90 inches.....91 3/8 inches

5858 lbs. (Gasoline).....6790 lbs. (Gasoline)

6158 lbs. (L-P Gas).....7100 lbs. (L-P Gas)

There's a **NEW JOHN DEERE TRACTOR**

for every farm...crop...purpose



Left to right: the 1-2 plow "320" Series, the 2-3 plow "420" Series, the 3-plow "520" Series, the 4-plow "620" Series, the 5-plow "720" Series, and the 5-6 plow "820" Diesel.

6 power sizes...30 basic models

Whatever your farming operation, your John Deere dealer has a tractor that's designed and powered to handle your job with maximum efficiency and economy. His brand-new family of John Deere Tractors features power sizes and types to meet every farming need—from the low-cost "320" Series to the powerful 5-6 plow "820" Diesel. Never has tractor performance been greater or tractor value higher than in these new John Deere Tractors. Learn all the facts about these new tractors from your John Deere dealer and make arrangements to drive the model that best fits your requirement.

Ask your JOHN DEERE DEALER for a free demonstration

